



United States
Department of
Agriculture

Forest
Service

NA

MFO

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Reply to 3420 Detection

Date: November 11, 1983

Subject: Gypsy Moth Defoliation Maps and Tables, 1982-1983

To: Forest Supervisor
Monongahela National Forest

Enclosed for your information are maps and tables of gypsy moth-caused tree defoliation for 1982 and 1983. We have more copies of the 1983 defoliation map available upon request.

Flaming

for *RE: [Signature]*
ALLAN T. BULLARD
Field Representative
Forest Pest Management

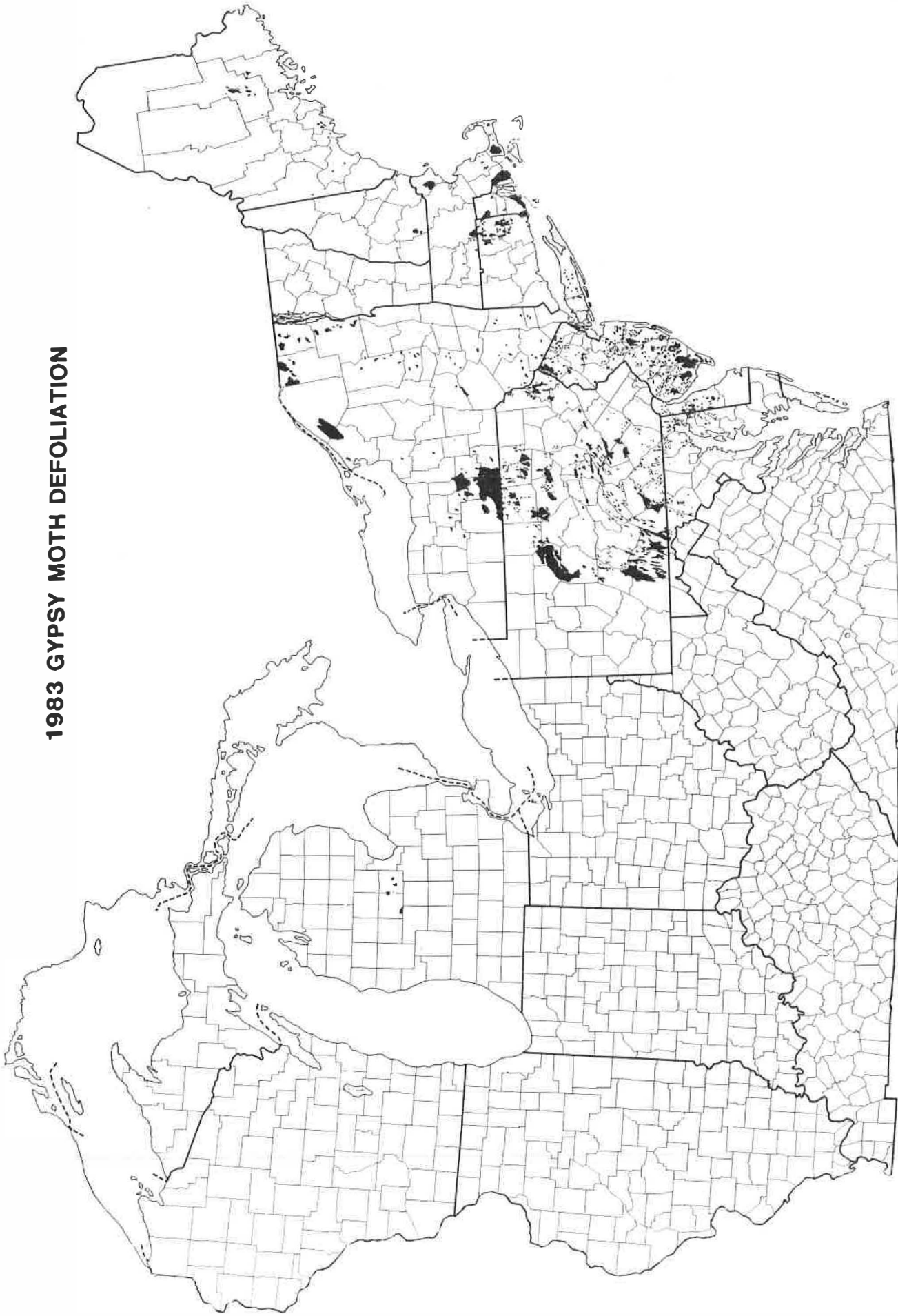
Enclosures

cc: AO
Cheat RD
Gauley RD
Greenbrier RD
Marlinton RD
Potomac RD
White Sulphur RD
Van Aken, R-9

NFS/ham



1983 GYPSY MOTH DEFOLIATION



0 100 200 300 400 500 MILES
ALBERS EQUAL AREA PROJECTION
Scale 1:5,000,000

1983 Gypsy Moth Defoliation by State ^{1/}

State	Defoliation Intensity ^{2/}		Total Defoliation ^{3/}
	Moderate	Heavy	
Connecticut	100,798	52,441	153,239
Delaware	1,855	1,137	2,992
Maine	4,574	11,711	16,285
Maryland	11,562	4,308	15,870
Massachusetts	84,045	64,088	148,133
Michigan	85	372	457
New Hampshire	560	0	560
New Jersey	156,930	183,355	340,285
New York	183,554	107,289	290,843
Pennsylvania	1,003,770	357,054	1,360,824
Rhode Island	38,590	15,290	53,880
Total	1,586,323	797,045	2,383,368

^{1/} Based upon State-conducted aerial detection surveys.

^{2/} Moderate defoliation = 31-60 percent.
Heavy defoliation = 61-100 percent.

^{3/} USDA Forest Service did not ask States to report light defoliation (<30 percent). Some States, however, report light defoliation for their own purposes.

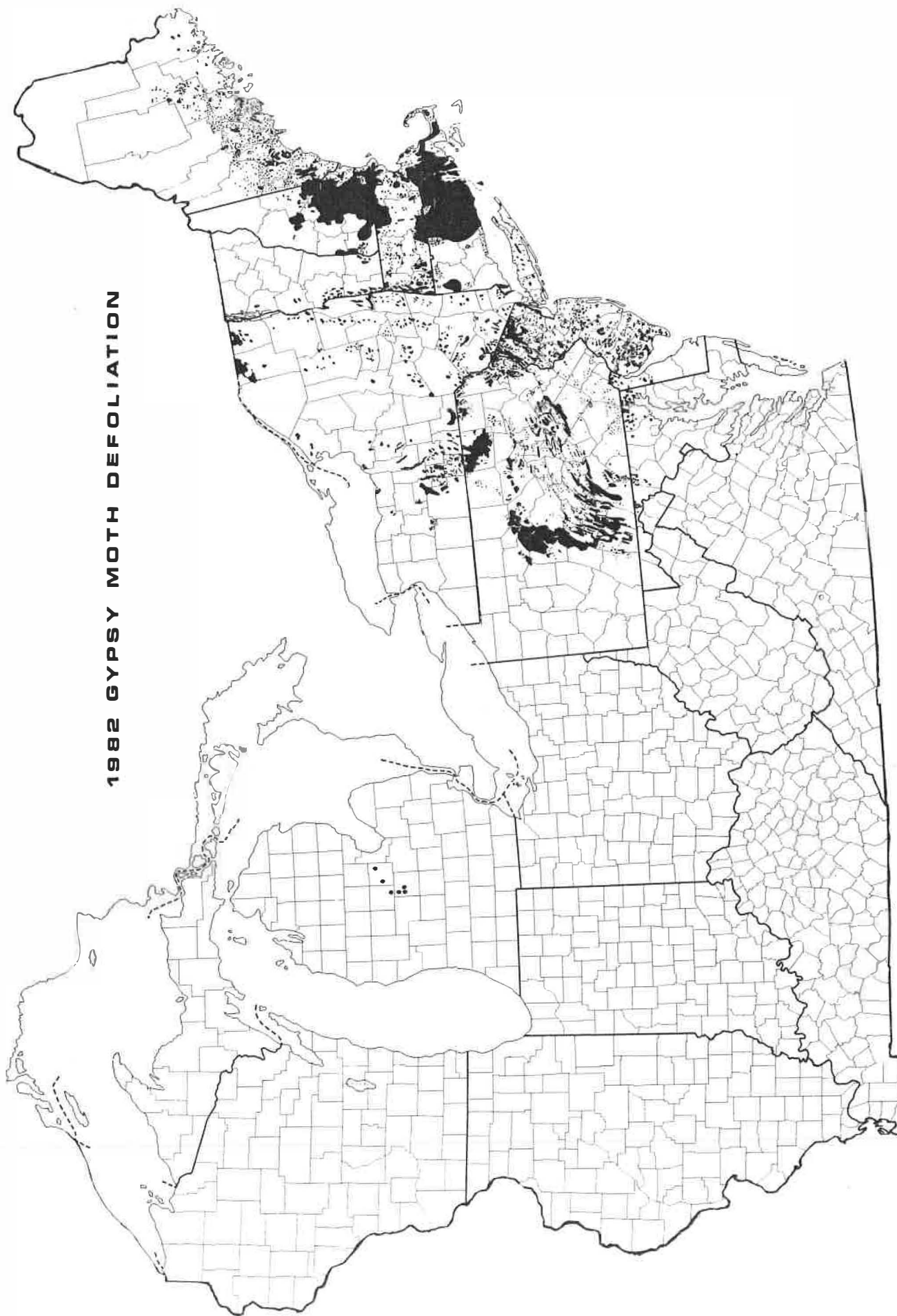
Table 1.--Comparison of 1982 and 1983 Gypsy Moth Defoliation by State

State	1982 Defoliation Acres	1983 Defoliation <u>1/</u> Acres	Trend over 1982	
			Acres	Percent
Connecticut	803,802	153,239	down 650,563	decreased 81%
Delaware	1,265	2,992	UP 1,727	INCREASED 137%
Maine	574,537	16,285	down 558,252	decreased 97%
Maryland	9,162 <u>2/</u>	15,870	UP 6,708	INCREASED 73%
Massachusetts	1,383,265	148,133	down 1,235,132	decreased 89%
Michigan	92	457	UP 365	INCREASED 397%
New Hampshire	878,273	560	down 877,713	decreased 99%
New Jersey	675,985	340,285	down 335,700	decreased 50%
New York	825,629	290,843	down 534,786	decreased 65%
Pennsylvania	2,351,317	1,360,824	down 990,493	decreased 42%
Rhode Island	658,000	53,880	down 604,120	decreased 92%
Vermont	9,864	0	down 9,864	decreased 100%
Total	8,171,191	2,383,368	down 5,787,823	decreased 71%

1/ Totals do not include light defoliation (<30 percent).

2/ Includes 42 acres of light defoliation detected on Catoctin Mountain Park not reported by Maryland.

1982 GYPSY MOTH DEFOLIATION



0 100 200 300 400 500 MILES

ALBERS EQUAL AREA PROJECTION
Scale 1:5,000,000

Table 1.--1982 Gypsy Moth Defoliation by State

State	1981 Defoliation Acres	1982 Defoliation Acres	Trend over 1981 Acres Percent	
Connecticut	1,482,216	803,802	down	678,414 decreased 46%
Delaware	500	1,265	UP	765 INCREASED 153%
Maine	655,841	574,537	down	81,304 decreased 12%
Maryland	8,826	9,162 <u>1/</u>	UP	336 INCREASED 4%
Massachusetts	2,826,095	1,383,265	down	1,442,830 decreased 51%
Michigan	18	92	UP	74 INCREASED 411%
New Hampshire	1,947,236	878,273	down	1,068,963 decreased 55%
New Jersey	798,790	675,985	down	122,805 decreased 15%
New York	2,303,915 <u>2/</u>	825,629	down	1,478,286 decreased 64%
Pennsylvania	2,527,753	2,351,317	down	176,536 decreased 7%
Rhode Island	272,556	658,000	UP	385,444 INCREASED 141%
Vermont	48,979	9,864	down	39,115 decreased 80%
Total	12,872,725	8,171,191	down	4,701,634 decreased 36.5%

1/ Includes 42 acres of light defoliation detected on Catoctin Mountain Park not reported by Maryland.

2/ Nassau County and New York City Counties were not surveyed, although defoliation did occur.